ABSTRACT

Systems and methods for georeferencing digital raster maps by assigning points on the raster map with geographic coordinates corresponding to points on a georeferenced vector map or another georeferenced raster map. The raster map and a corresponding vector map are simultaneously displayed to a user, wherein the user then locates a common geographic point or feature on each map, and marks each of them as a unique point-pair. When the user has marked at least two point-pairs, the system then computes a georeferencing function, based on the pixel-coordinates of the points marked on the raster map and the corresponding geographic coordinates of the points on the vector map. Thereafter the geographic coordinates of any point on the map may be easily computed. The preferred embodiment provides that as more point-pairs are identified, the georeferencing function is modified for increased accuracy.